

Recent Publications by faculty and research staff

August to October, 1995

- Bonchev, D. and D.H. Rouvray, eds., 1995: *Chemical Group Theory. Techniques and Applications*. Gordon and Breach, Chichester, U.K., pp. 243.
- Bonchev, D. and E. Gordeeva, 1995: Topological atomic charges, valencies, and bond orders. *J. Chem. Inf. Comput. Sci.* 35, 383-395.
- Bonchev, D., 1995: Topological order in molecules. 1. Molecular branching revisited. *Theochem.* 336, 137-156
- Crowley, T.J., 1995: Ice age terrestrial carbon changes revisited. *Global Biogeochemical Cycle.* 9(3), 377-389.
- DiMarco, S.F., F.J. Kelly, J. Zhang, and N.L. Guinasso, Jr., 1995: Directional wave spectra on the Louisiana-Texas Shelf during Hurricane Andrew. *Journal of Coastal Research.* Special Issue No. 21, 217-233.
- Gardner, W.D., S.P. Chung, M.J. Richardson, and I.D. Walsh, 1995: The oceanic mixed-layer pump in the equatorial Pacific. *Deep-Sea Res. II*, 42, 757-775.
- Joye, S.B. and J.T. Hollibaugh, 1995: Influence of sulfide inhibition of nitrification on nitrogen regeneration in sediments. *Science.* 270, 623-635.
- Machel, H.G., H.R. Krouse, and R. Sassen, 1995: Products and distinguishing criteria of bacterial and thermochemical sulfate reduction. *Applied Geochemistry.* 10, 373-389.
- March, N.H., M.P. Tosi, and D.J. Klein, 1995: Coordination-dependent equations of state and pair potentials for cold metal crystals. *Phys. Rev. B* 52, 9115-9116.
- Orsi, A.H., T. Whitworth III, and W.D. Nowlin, Jr., 1995: On the meridional extent and fronts of the Antarctic Circumpolar Current. *Deep-Sea Research.* 42(5), 641-674.
- Schink, D., P. Santschi, O. Corapcioglu, and U. Fehn, 1995: Prospects for "Iodine-129 dating" of marine organic matter. *Nuclear Instruments and Methods in Physics Research.* B99, 524-527.
- Slowey, N. and W. Curry, 1995: Glacial-interglacial differences in circulation and carbon cycling within the upper western North Atlantic. *Paleoceanography.* 10, 715-732.
- Slowey, N.C. and T.J. Crowley, 1995: Interdecadal variability of Northern Hemisphere circulation recorded by Gulf of Mexico corals. *Geophysical Research Letters.* 22(17), 2345-2348.
- Walsh, I.D., S.P. Chung, M.J. Richardson, and W.D. Gardner, 1995: The diel cycle in the integrated particle load in the Equatorial Pacific: A comparison with primary production. *Deep-Sea Res. II.* 42, 465-477.
- Zhu, H.-Y. and D.J. Klein, 1995: Tetrahedral-symmetry tetrahydrofullerenes. *J. Molec. Struct. (Theochem).* 338, 11-23. ☉